

Claim 7 has been amended as follows:

B3

7. (Amended) The improvement of claim 8 wherein said heat exchanger is rotatable around said rotational axis together with said gantry, and further comprising a plurality of annular guide devices disposed at said heat exchanger and conducting an airstream, generated by rotation of said heat exchanger and heated at said first heat exchanger and at said second heat exchanger, away from said gantry toward an exterior of said gantry.

Claim 17 has been amended as follows:

B4
sub C3

17. (Twice Amended) A computed tomography apparatus comprising:
a gantry rotatable around a rotational axis;
an X-ray source and an X-ray detector mounted opposite to each other on said gantry, said X-ray source emitting heat during operation thereof;
a first ring-like heat exchanger disposed at said gantry having at least two heat exchange elements thermally conductively connected to each other, with at least one of said heat exchange elements being thermally conductively connected to said X-ray source for transferring said heat from said X-ray source and
a second heat exchanger disposed in a thermally conductive path relative to said first heat exchanger for transferring heat from said first heat exchanger to an exterior of said gantry.

Cancel claim 18.

Claim 19 has been amended as follows:

B5 sub C4

19. (Amended) A computed tomography apparatus as claimed in claim 19,

wherein said first heat exchanger is rotatable around said rotational axis together

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with said gantry, and further comprising a plurality of inter-engaging annular guide devices for guiding an airstream, generated by rotation of said first heat exchanger and heated at said first heat exchanger, from said first heat exchanger to said second heat exchanger.